



Rare Animals of Louisiana



Schoolhouse Springs Leuctran Stonefly

Leuctra szczytkoi

Rarity Rank: S2/G2

Identification:

- Adults have two pair of wings folded against its back when at rest.
- Flattened body that appears slender because wings at rest are bent down over sides of body
- Tail filaments (cerci) short
- Hind wing pads parallel.
- Nymphs have external wingpads present, and 2 claws on each foot.
- Two long tail filaments (cerci) and antennae.

Measurements: Adults are 6-8 mm long.

Taxonomic comments: none

Habitat: Slow moving creeks with tea colored water, woody debris, and a sandy bottom.

Food habits: Unknown, but generally most stonefly larvae are carnivorous while the adults eat vegetation.

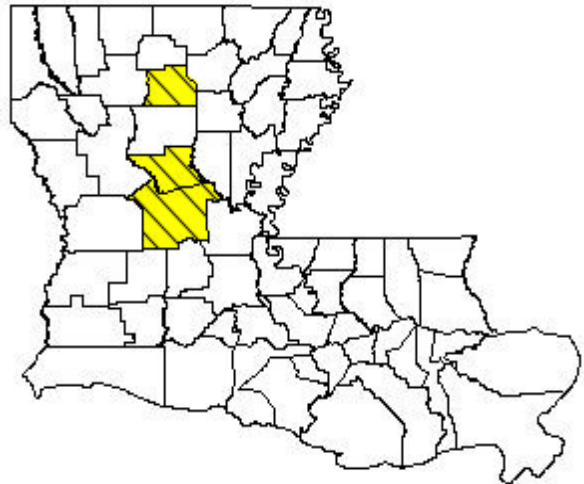
Reproduction: Adults can be expected from late October to January.

Threats:

- Degredation or alteration of habitat.
- Insecticide runoff and other chemicals
- Sensitive because of a limited distribution.

Beneficial Management Practices:

- Prevent erosion and siltation
- Follow Best Management Practices for Streamside Management Zones, possibly increasing width.
- Prevent vehicular traffic across streams



U. S. Range: Endemic to LA

References:

NatureServe Explorer: An online encyclopedia of life [web application]. 2006. Version 6.1 . Arlington, Virginia, USA: NatureServe. Available: <http://www.natureserve.org/explorer>. (Accessed: Feb. 19, 2007).

Borror, D. J. And R. E. White. 1970. *The Peterson Field Guide Series, A Field Guide to the Insects of North America and Mexico*. Houghton Mifflin Company, Boston, MA. 404 pp.



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DeWalt, R. E., and B. P. Stark. 1996. Descriptions of the female, nymph, and variation in male characters of the stonefly *Leuctra szczytkoi* (Plecoptera: Leuctridae). Entomol. News. 107: 61-67.